	Application No.	Applicant(s)
Notice of Allowability	09/471,173	MOROSAWA ET AL.
	Examiner	Art Unit
	Kevin Quinto	2826
The MAILING DATE of this communication a All claims being allowable, PROSECUTION ON THE MERITS herewith (or previously mailed), a Notice of Allowance (PTOL- NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATEN of the Office or upon petition by the applicant. See 37 CFR 1.	IS (OR REMAINS) CLOSED in 85) or other appropriate comm RIGHTS. This application is	n this application. If not included unication will be mailed in due course. THIS
 This communication is responsive to 12 August 2003. The allowed claim(s) is/are 13,16,19 and 22. The drawings filed on 23 December 1999 are accepted. Acknowledgment is made of a claim for foreign priority a) All b) Some* c) None of the: Certified copies of the priority documents here. Copies of the certified copies of the priority 	under 35 U.S.C. § 119(a)-(d) on have been received. have been received in Application	on No
International Bureau (PCT Rule 17.2(a) * Certified copies not received: 5. Acknowledgment is made of a claim for domestic priorit (a) The translation of the foreign language provision 6. Acknowledgment is made of a claim for domestic priorit). ly under 35 U.S.C. § 119(e) (to al application has been receive ly under 35 U.S.C. §§ 120 and/	a provisional application). d. or 121.
Applicant has THREE MONTHS FROM THE "MAILING DATE below. Failure to timely comply will result in ABANDONMENT	of this application. THIS THE	EE-MONTH PERIOD IS NOT EXTENDABLE
7. A SUBSTITUTE OATH OR DECLARATION must be sin INFORMAL PATENT APPLICATION (PTO-152) which gives r	upmitted. Note the attached EX eason(s) why the oath or decla	AMINER'S AMENUMENT OF NOTICE OF ration is deficient.
 CORRECTED DRAWINGS must be submitted. (a) ☐ including changes required by the Notice of Drafts 1) ☐ hereto or 2) ☐ to Paper No 		
(b) ☐ including changes required by the proposed drawi(c) ☐ including changes required by the attached Exami		
Identifying indicia such as the application number (see 37 CF each sheet.	R 1.84(c)) should be written on t	ne drawings in the front (not the back) of
9. DEPOSIT OF and/or INFORMATION about the deattached Examiner's comment regarding REQUIREMENT FO	eposit of BIOLOGICAL MAT R THE DEPOSIT OF BIOLOGI	ERIAL must be submitted. Note the CAL MATERIAL.
Attachment(s)		
 Notice of References Cited (PTO-892) Notice of Draftperson's Patent Drawing Review (PTO-948) Information Disclosure Statements (PTO-1449), Paper Note The Examiner's Comment Regarding Requirement for Deposit of Biological Material 	6) 4☐ Interview 6☐ Examine	f Informal Patent Application (PTO-152) v Summary (PTO-413), Paper No er's Amendment/Comment er's Statement of Reasons for Allowance
MATHAN J. FLY DEPRYISORY PATENT FECHNOLOGY CENT	EXAMINER	

Application/Control Number: 09/471,173 Page 2

Art Unit: 2826

DETAILED ACTION

Allowable Subject Matter

1. Claims 13, 16, 19, and 22 are allowed.

2. The following is an examiner's statement of reasons for allowance: the examiner

is unaware of any prior art which suggests a semiconductor device which uses a gate

insulator containing the specified nitrogen and fluorine concentrations in order to

increase transistor reliability.

3. Aronowitz et al. (USPN 6,033,998) discloses a gate dielectric with a nitrogen

concentration. However this concentration is part of an oxynitride compound without

any mention of fluorine and thus does not teach the applicant's invention.

Any comments considered necessary by applicant must be submitted no later

than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kevin Quinto whose telephone number is (703) 306-

5688. The examiner can normally be reached on M-F 8AM-5PM.

Art Unit: 2826

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nathan Flynn can be reached on (703) 308-6601. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

KVQ